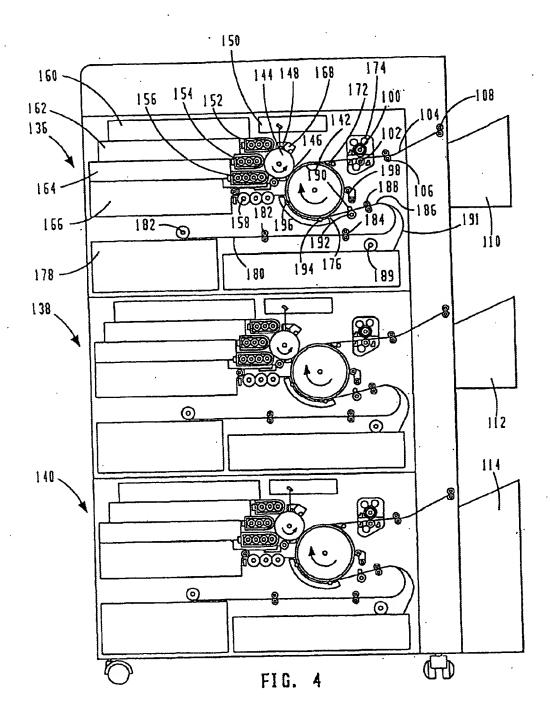


rial No.: 09/484,538 Socket No.: TRSY-24,657 Confirmation No.: 9805 Page 1 of 30

PRINT WORK ENGINE STATION -12 10 PRINT **PROCESSOR** NET WORK (DISTRIBUTER) ENGINE INTERFACE STATION 16. • 10 PRINT WORK ENGINE FIG. 1 STATION -25 - 28 -24 22 20-1 MAGE ENGI NE PAGE JOB TASK MANAGER RIP SPOOL MANAGER BUFFERS OUTPUT PRINT PCI ENGINE BIN 16 32 40 PRI NT OUTPUT PCI' **ENGINE** BIN 32 16 PRINT OUTPUT PCI **ENGINE** BIN 32 . 16 40 > - 46 FIG. 2 42.-SOFTWARE PRINT PARALLE FIG. 3a **ENGINE** RIP PORT **PROCESSOR** 42 SOFTWARE PRINT FIG. 3 p PCI RIP **ENGINE PROCESSOR** 62 52 58 MARKING PARALLEL FI.G. 30 RIP PROCESSOR **ENGINE** PORT

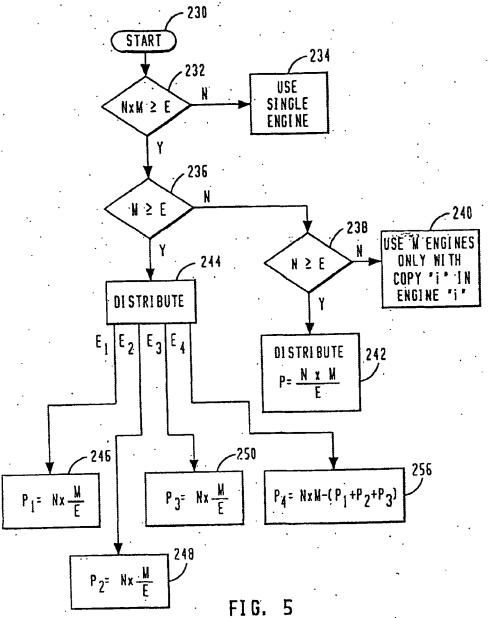


rial No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805 Page 2 of 30



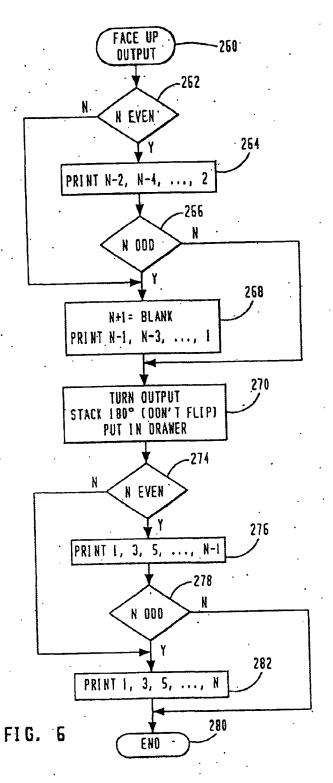


Page 3 of 30



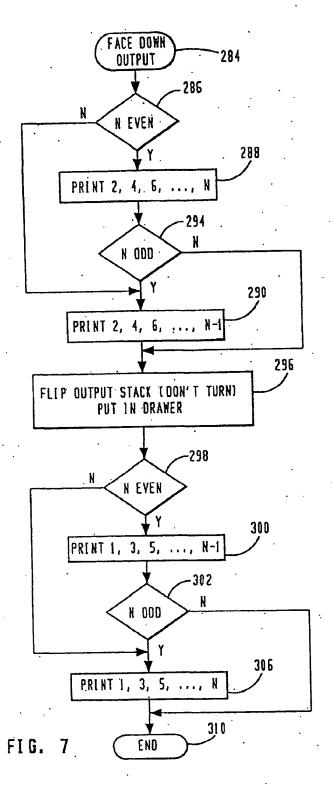


Page 4 of 30



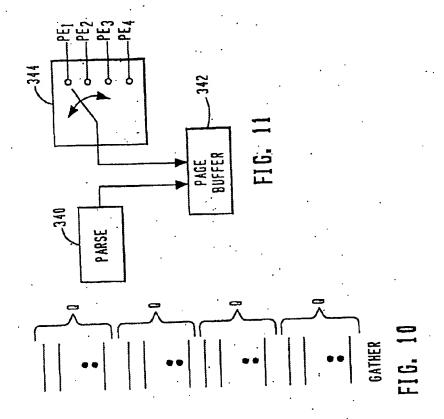


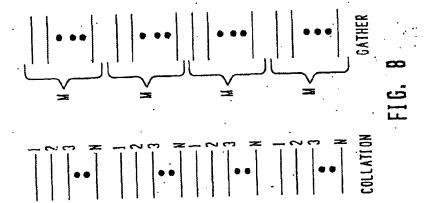
Page 5 of 30





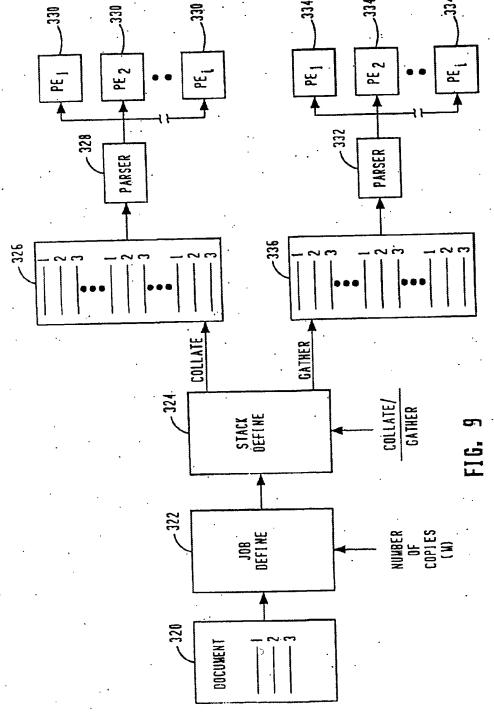
Page 7 of 30







Serial No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805 Page 6 of 30





Page 8 of 30

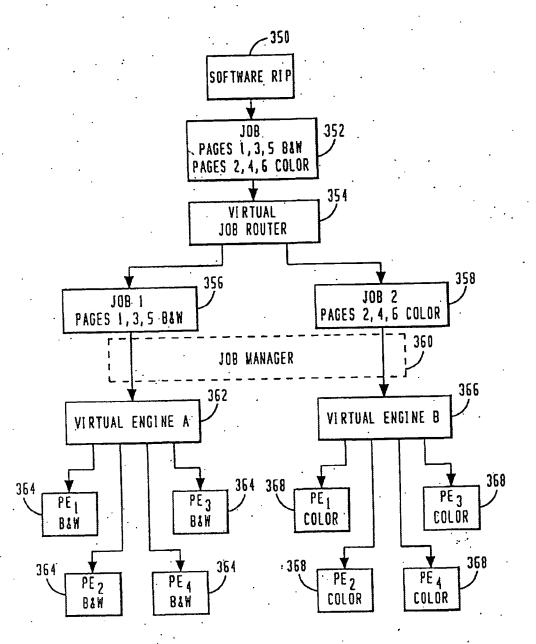
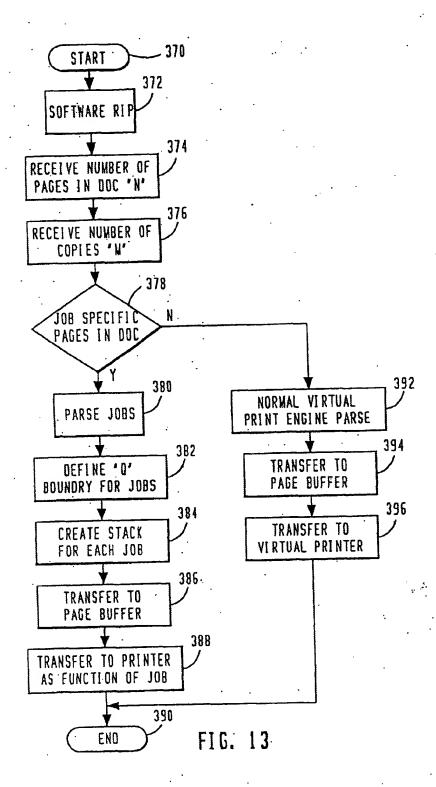


FIG. 12

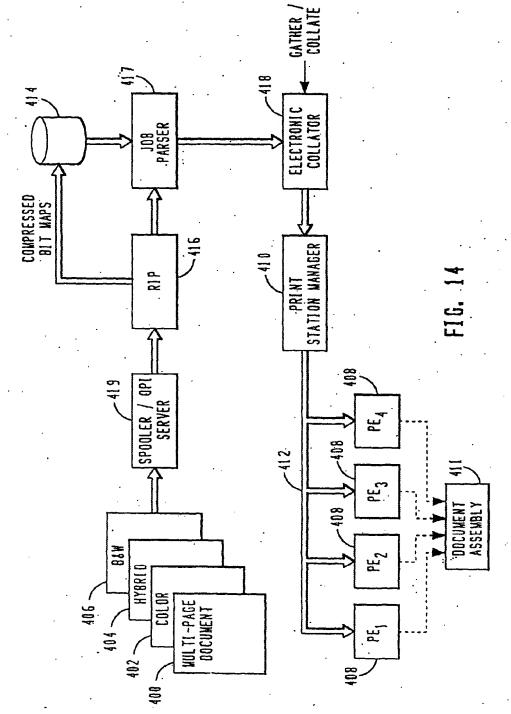


Page 9 of 30





Docket No.: 09/484,538
Docket No.: TRSY-24,657
Confirmation No.: 9805
Page 10 of 30





Page 11 of 30

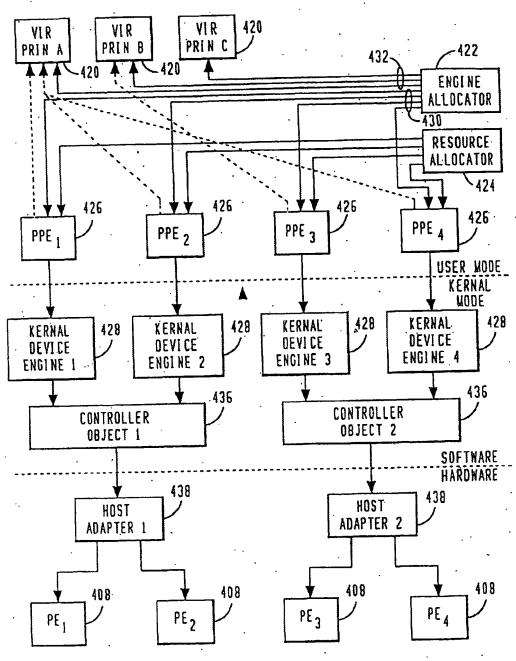


FIG. 15



Page 12 of 30

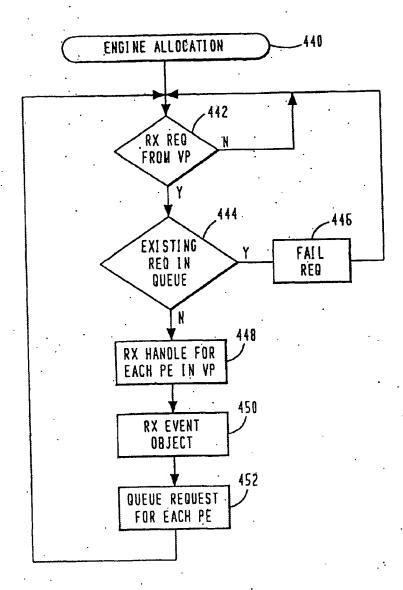
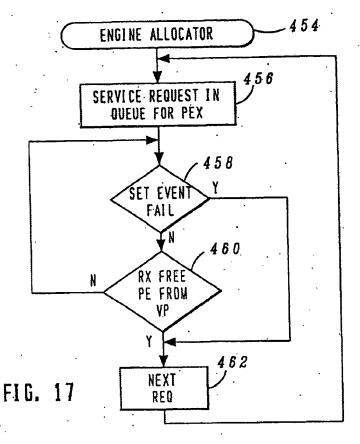
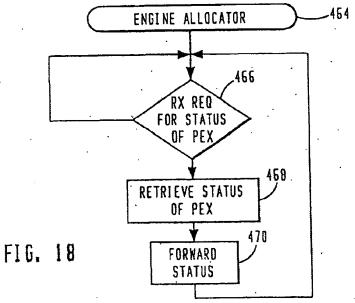


FIG. 16



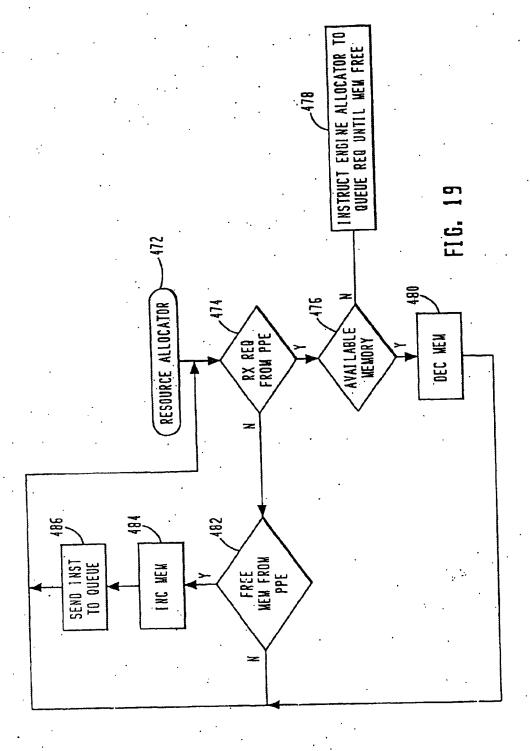
Page 13 of 30





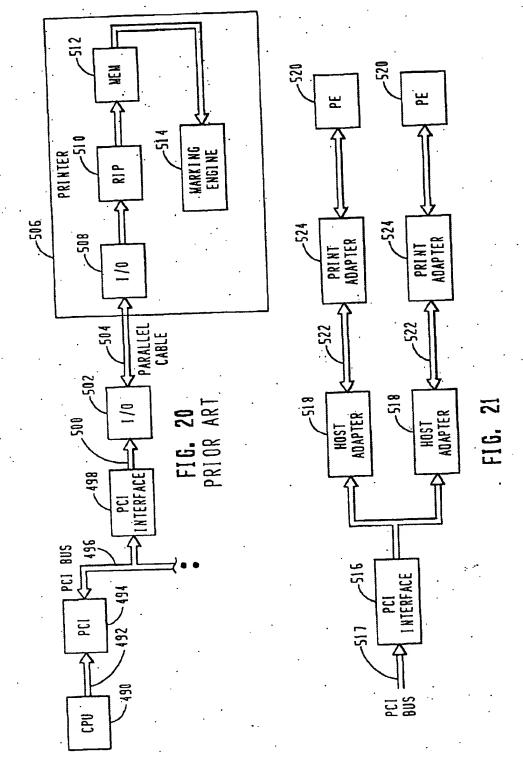


al No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805 Page 14 of 30



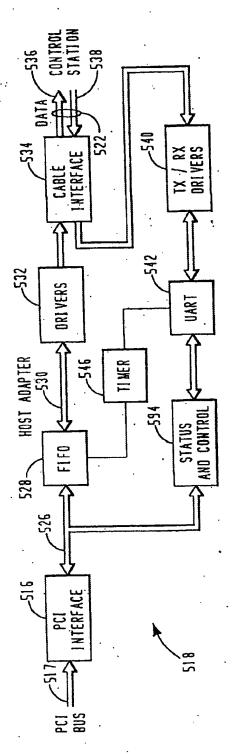


Serial No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805 Page 15 of 30





Docket No.: 09/484,538
Docket No.: TRSY-24,657
Confirmation No.: 9805
Page 16 of 30



FI 6. 22



Serial No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805 Page 17 of 30 MARKI NG Engi ne TRANSFORM LOOK UP Table -564 RAM -568 PRINT MINDON GEN PRINT ADAPTER UNPACKER / Unloader 260 CPU COUNTER · DATA SYNC SYNC FIG. 23 FIFO -550 / RX ≃ CABLE

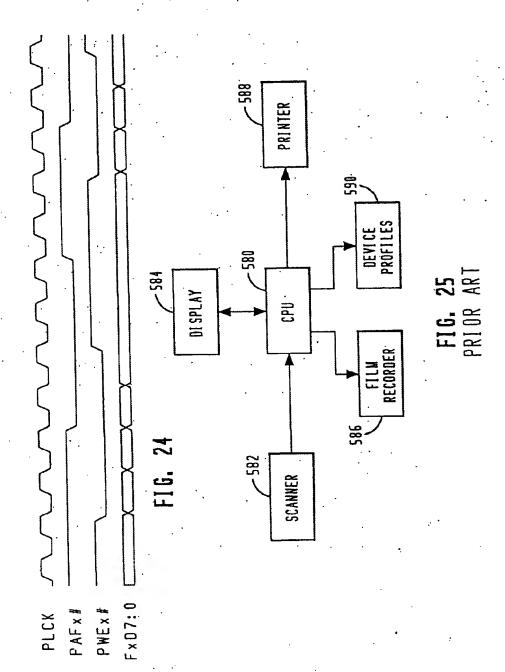


Serial No.: 09/484,538

Docket No.: TRSY-24,657

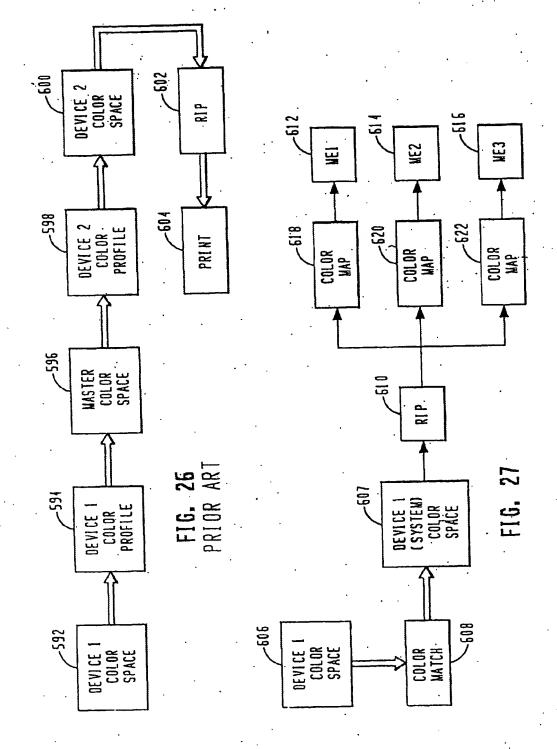
Confirmation No.: 9805

Page 18 of 30





Serial No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805 Page 19 of 30





Page 20 of 30

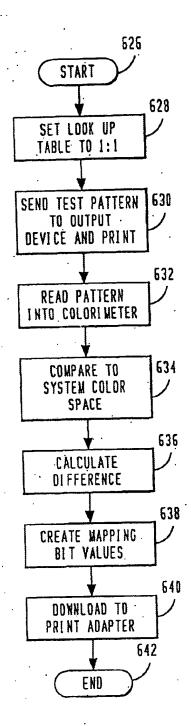
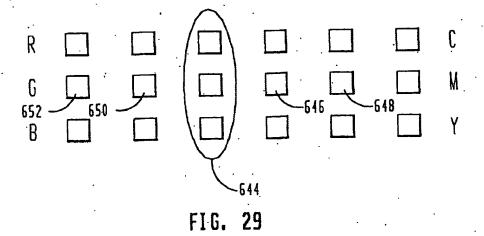


FIG. 28



Serial No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805
Page 21 of 30



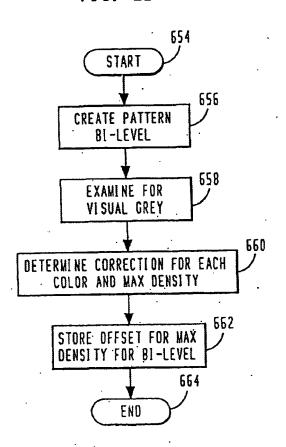
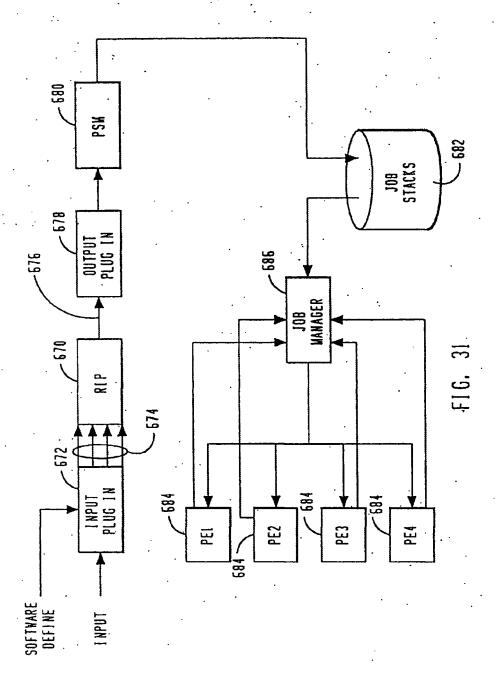


FIG. 30

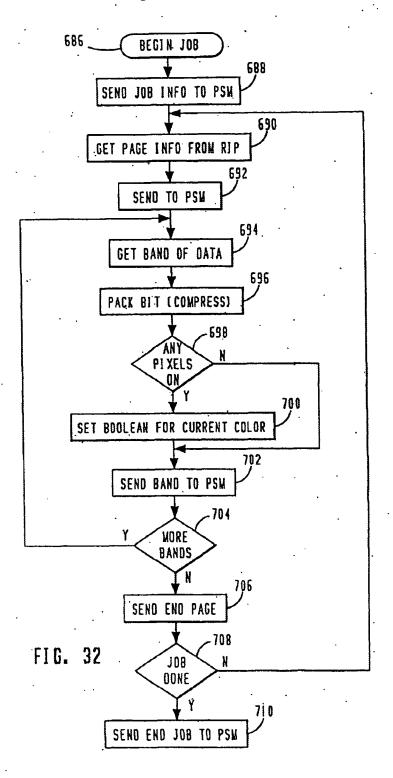


Serial No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805 Page 22 of 30



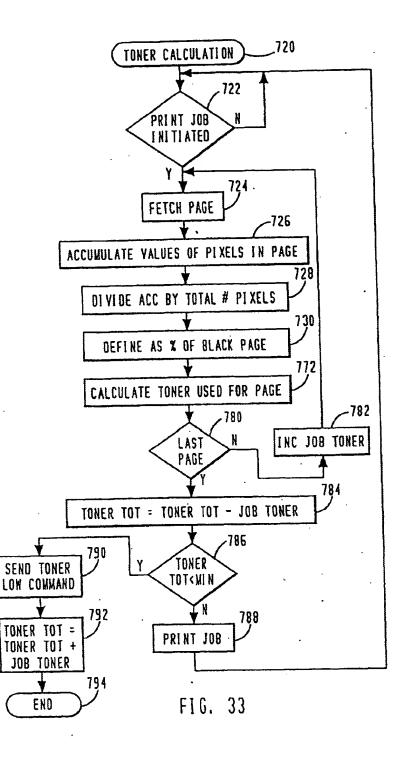


Page 23 of 30





Page 24 of 30





Page 25 of 30

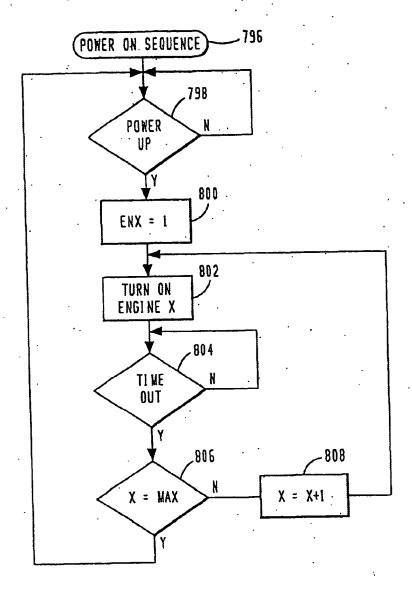


FIG. 34



Page 26 of 30

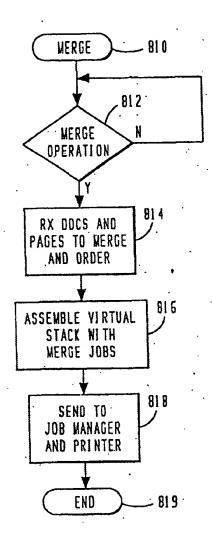


FIG. 35



Page 27 of 30

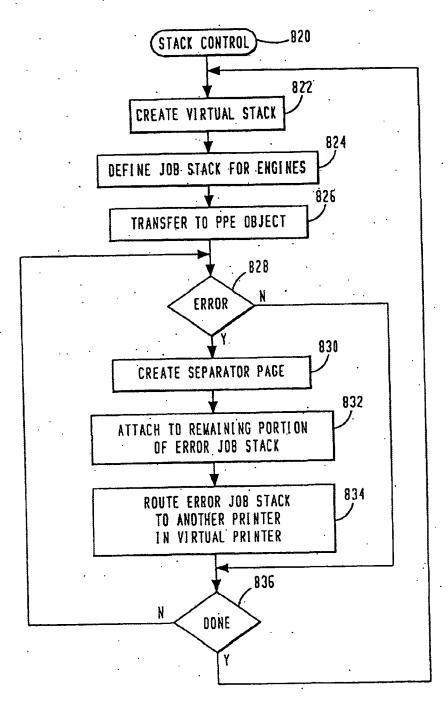
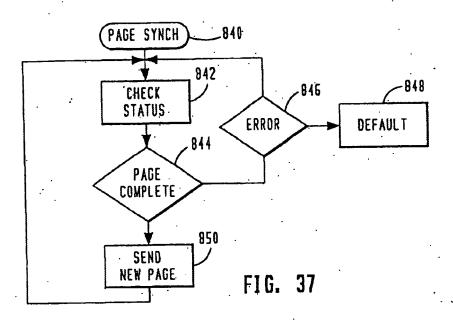
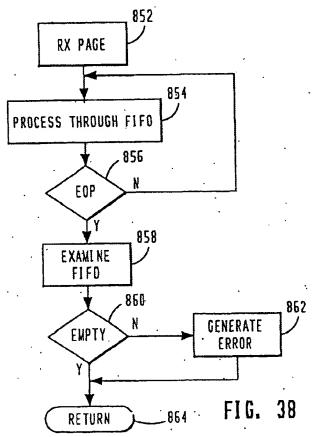


FIG. 36



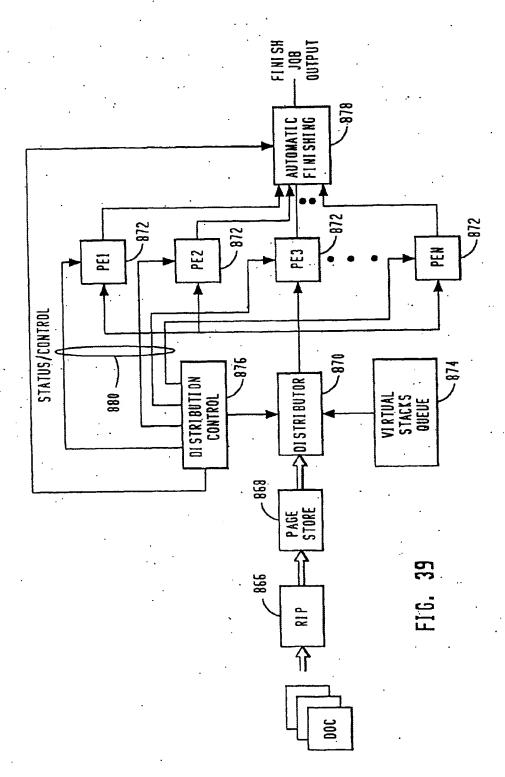
Page 28 of 30







Serial No.: 09/484,538 Docket No.: TRSY-24,657 Confirmation No.: 9805 Page 29 of 30





Page 30 of 30

